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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/079,464	02/22/2002	Kanji Otsuka	011703	6674	
38834 7	1590 12/13/2004		EXAMINER		
WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP 1250 CONNECTICUT AVENUE, NW SUITE 700			JONES, STEPHEN E		
			ART UNIT	PAPER NUMBER	
	N, DC 20036		2817		

DATE MAILED: 12/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be variable under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (30 LS C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-26 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are allowed. 6) Claim(s) is/are objected to. 8) Claim(s) 1-26 are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. Office Action or form PTO-152.				Mc				
### Examiner Art Unit 2817 ### The MAILING DATE of this communication appears on the cover sheet with the correspondence address **Period for Reply** A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. **Examiner of time may be enabled whether the previous of 37 CFR 1736(s). In ne event, however, may a reply be timely filled **Previous of time may be enabled whether the previous of 37 CFR 1736(s). In ne event, however, may a reply be timely filled **Previous of time may be excelled above, the measurem statutory period will apply and will expire SIX (6) MONTHS from the realling date of this communication of the correspondence of the communication. **Provious of the reply is applied above, the measurem statutory period will apply and will expire SIX (6) MONTHS from the realling date of this communication, even if timely filled, may reduce a fine. **Provious of the reply is applied above, the measurem statutory period will apply and will expire SIX (6) MONTHS from the realling date of this communication, even if timely filled, may reduce any example patent term adjustment. See 37 CFR 1704(b). **Status** 1)		Application No.	Applicant(s)	7.0				
Stephen E. Jones Stephen E.	·	10/079,464	OTSUKA ET AL.					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ± MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extendisor from mytic servicidae under the provisions of 3° CF8 1.136(a). In no event, however, may a reply be timely filed ### the period for reply specified above. In enabramic of 3° CF8 1.136(a). In no event, however, may a reply be timely filed ### the period for reply specified above. In enabramic of 3° CF8 1.136(a). In no event, however, may a reply be timely filed ### the period for reply specified above. In enabramic of 3° CF8 1.136(a) in no event, however, may a reply be timely filed ### the period for reply specified above. In enabramic of 3° CF8 1.136(a) in no event, however, may a reply be timely filed ### the period for reply specified above. In enabramic of 3° CF8 1.136(a) in no event, however, may a reply be timely filed ### the period for reply specified above. In enabramic of 3° CF8 1.136(a). ### The period for reply specified above. In enabramic of 3° CF8 1.136(a) in the period for reply will, by said interpretation of the communication. ### Reply and the set of seeding specified above. In the set of the communication. ### The period for reply specified above. In enabling specified in the replication. ### The period for reply specified above. In enabling specified and specified above. In the set of the communication. ### The period for reply specified above. In the set of the communication. ### The period for reply specified above. In the application. ### The period for reply specified above. In the application of the above claim(s) in control for allowance except for formal matters, prosecution as to the merits is closed in a coordance with the period of the period for allowance except for formal matters, prosecution as to the merits is closed in a coordance and the set of the merits is closed. In the set of the set of the period for allowance except	Office Action Summary	Examiner	Art Unit					
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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1, 2, 3, 6, 7-11, 13-18, 22, 23, and 25, drawn to a wiring substrate and terminating bus, classified in class 333, subclass 22R.
 - II. Claim 4, drawn to a terminal resistor, classified in class 338, subclass 333.
 - III. Claims 12, 19-21, 24, and 26, drawn to a method of manufacturing a wiring substrate, classified in class 361, subclass 679.
 - IV. Claim 5, drawn to a method of manufacturing a terminal resistor, classified in class 29, subclass 610.1.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions I and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination does not require electrodes on opposite ends of a resistive film. The subcombination has separate utility such as for terminating a circulator terminal or as a resistor in an RC circuit.
- 3. Inventions III and IV are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and

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(2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination does not require cutting a block to form blocks (etc.). The subcombination has separate utility such as the resistors can be used in other devices such as circulators or in RC circuits.

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- 4. Inventions (I and II) and (III and IV) are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product could have sticky organic potting resin injected instead of dropped, the individual embedding members could be formed individually instead of diced from a single slab, and the block substrate could be formed individually rather than forming a plurality of blocks.
- 5. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 6. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Furthermore, if Applicant elects Group III, then election from the following species is required.

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7. This application contains claims directed to the following patentably distinct species of the claimed invention:

Species A: includes dropping a sticky organic potting resin (e.g. see Claims 12 and 24); and

Species B: includes pre-hardened thermosetting and making holes at predetermined locations, and dicing the slab into individual embedding members (e.g. see Claims 19-21 and 26).

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

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Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

8. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen E. Jones whose telephone number is 571-272-1762. The examiner can normally be reached on Monday through Friday from 8 AM to 4 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Pascal can be reached on 571-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Stephen Jones Primary Examiner Art Unit 2817

SEJ